

U.S. DEPARTMENT OF ENERGY WORK BREAKDOWN STRUCTURE DICTIONARY PART II - ELEMENT DEFINITION

1. PROJECT TITLE/PARTICIPANT	1. PROJECT TITLE/PARTICIPANT 2. DATE 3. IDE		3. IDENTIFICATION NUMB	ER	
Environmental Management/Bechtel Jacobs Company LLC		01/08/2004	DE-AC05-98OR22700		
4. WBS ELEMENT CODE 1.12.05.02.02.05		5. WBS ELEMENT TITLE S&M of UP Facilities			
6. INDEX LINE NO.	7. REVISION NO. AND AUTHORIZATION N/A)N	8. DATE N/A	
9. APPROVED CHANGES N/A					
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET AND RE	PORTING NUMBER	

12. ELEMENT TASK DESCRIPTION

WBS GRAPHIC

See attached.

INTRODUCTION

The purpose of this subproject is to provide surveillance and maintenance of DOE non-leased facilities, except for those facilities managed under the Waste Management, Remedial Action programs, S&M of Facilities (deleased from USEC), and facilities under site overhead. Also included is the Deferred Maintenance Program.

LOGIC RELATIONSHIPS

SCOPE DESCRIPTION

(Please quantify scope information below, e.g., list summary dimensions of trench, cap, waste volumes, building sizes, etc.)

Release Sites and Facilities

Assessments to be completed: None

Actions to be completed: None

Performance Metrics/Indicators

Perform semi-annual NMC&A inventories at X-744G by 03/31/03 and 09/30/03

Perform semi-annual NMC&A inventories at X-345 by 03/31/03 and 09/30/03

Perform Roof Assessment on selective applicable transitioned facilities by 09/30/03

Perform HVAC Assessment on selective applicable transitioned facilities by 09/30/03

Past and Future Accomplishment

Past Accomplishments

Provided project direction and management of the task.

Performance of monthly inspections of building and material.

Performance of two NMC&A semi-annual inventories for X-744G and bi-monthly for X-345

Performance of daily facility maintenance, such as light re-lamping, cluster changes, utilities, ianitorial maintenance, preventive



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12. ELEMENT TASK DESCRIPTION (Continued)

Routine decontamination

Health Physics support

Periodic inventories of DOE material

Performance of NMC&A validations

Completed periodic inventories of Special Nuclear Materials (SNM)

Completed installation of X-3012 Refrigerant Monitoring System

Future Accomplishments

Provide project direction and management of the task.

Performance of monthly inspections of building and material.

Performance of two NMC&A semi-annual inventories for X-744G and bi-monthly for X-345

Performance of daily facility maintenance, such as light re-lamping, cluster changes, utilities, janitorial maintenance, preventive maintenance of doors, painting, floor coatings, grass cutting/weed eating, and other mechanical, instrument, and electrical maintenance

Performance of weekly and monthly radiological surveys, including trash and boundary step-off surveys

Uranium material handling as needed to inspect, repackage containers that have deteriorated

Routine decontamination

Health Physics support

Periodic inventories of DOE material

Performance of NMC&A validations

Complete periodic inventories of Special Nuclear Materials (SNM)

Implementation of Facility Management Program, including oversight of planning, management and execution of all facility activities

Building operations/custodianship support

Roof Assessment/Monitoring support

Assessment and repairs of Cathodic Protection System Program

Implement new requirements in the new Documented Safety Analysis (DSA) BJC 2003a and Technical Safety Requirements (TSR) BJC 2003b

Initiation of the PORTS Beryllium Surface Contamination Characterization Plan

Scope: the detailed Life Cycle Scope of the Subproject (FY 2003 through Completion) by WBS Level 7 element)

S&M of Active/Inactive Facilities

Provide preventive, corrective, and janitorial maintenance, facility management, and power of active and inactive former Uranium Programs facilities (pre-Cold Standby) at the Portsmouth site. Tasks include maintenance of building utility and auxiliary systems, instrument calibration, relamping, painting, and minor structural and miscellaneous repairs. This activity also includes the acquisition of materials and the administrative effort necessary to support ongoing operations while ensuring the health and safety of personnel and the environment. Other tasks to be performed also include:

Performance of daily facility maintenance, such as preventive maintenance, ianitorial maintenance, and corrective maintenance



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12. ELEMENT TASK DESCRIPTION (Continued)

Performance of monthly and quarterly radiological surveys and decontamination as needed

Implementation of Facility Management Program, including oversight of planning, management and execution of all facility activities

Building operations/custodianship support

Roof Assessment/Monitoring support

HVAC system assessment

Assessment and repairs of Cathodic Protection System Program

Engineering support for excavation/penetration permits, electrical support, drafting and design services

Maintenance of Curative Measures commitment tracker system that enhances the identification and tracking of various corrective actions, reportable occurrences, walkthroughs, surveillances, environmental compliance items, and management commitments

The facilities at Portsmouth that are maintained under this scope are listed below. Not listed here are those facilities that USEC may return during the upcoming fiscal year.

ACTIVE FACILITIES

Facility No.	Facility Description
X-3001 (N)	GCEP Process Building #1
X-3002	GCEP Process Building #2
X-3012	GCEP Process Support Building
X-3346	GCEP Feed & Withdrawal Facility
X-751	GCEP Mobile Equipment Garage
X-770	Mechanical Test Building

X-7726 Centrifuge Training & Test Facility
X-7727 Interplant Transfer Corridors

INACTIVE FACILITIES

Facility No. Facility Description

X-106B Old Fire Training Building X-1107FP S Pedestrian Portal X-1107FV S Vehicle Portal X-120 Old Weather Station

X-208B X-326 & X-345 SNM Security Fences X-2200 Site Preparation, Grading & Landscaping

X-2207F South Parking Lot X-2230M Holding Pond #1 X-2230N Holding Pond #2 X-23017 Fences and Signs



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12. ELEMENT TASK DESCRIPTION (Continued)

X-344E Gas Ventilation Stack

X-344F Safety Building

X-615 Old Sewage Treatment Plant

X-624-1 Little Beaver Groundwater Treatment Facility Decontamination

X-705A Incinerator Area

X-705B Contaminated Burnable Storage Area

X-705E Oxide Conversion Area

X-740 Waste Oil Storage Facility

X-744K Warehouse K

X-744N Warehouse N Non-UEA

X-744P Warehouse P Non-UEA

X-744Q Warehouse Q Non-UEA

X-744S Warehouse S Non-UEA X-744T Warehouse T Non-UEA

X-744U Warehouse U Non-UEA

X-7745S Fenced Area of X-3012

Perform FY02 carryover scope for Cathodic Protection Maintenance, consisting of initial repairs (anode replacement), performance test, and report

Provide project level planning, oversight, technical support, and financial control and reporting for all activities within this project. This includes, but is not limited to: Project Management, Subcontract Management, Procurement support, Environmental, Safety and Health oversight, Quality oversight, support for the Life Cycle Baseline, other out-year budget submittals, and the following routine reports.

Monthly Technical Progress Report

Monthly Status Review Report

Midyear Project Status Review

Quarterly Project Status Review

Year-end Project Status Review

Quarterly Progress Report

Project Baseline Summary Report

Site Baseline Summary Report

A project execution plan will be developed for each subproject to communicate to the project team the scope, method of accomplishment, performance criteria and metrics and procurement strategy.

This scope also includes the following non-routine activities:

* X-3002 upgrades. This includes electrical upgrade of X-3002 to meet NEC (National Electric Code) standards which includes the following:

Abandon in place 200 amp service and remove up to 2.600 feet of cable feeders from high bay (includes containment and



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12. ELEMENT TASK DESCRIPTION (Continued)

Repair up to six (6) electrical floor penetrations on mezzanine with sheet metal enclosures painted "CAUTION" yellow Install safety shower light in North mezzanine battery room

- * Repair of two (2) elevators in X-3002.
- * Roof membrane repair/replacement of X-7727H (approximately 33,000 square feet).
- * Remaining X-3002 upgrades to meet NEC (National Electric Code) standards which includes the following: Removal of temporary wiring to approximately 20 fire sprinkler riser amber lights, approximately 44 fire alarm pull box ruby lights, approximately 10 fire alarm water flow switches, and approximately 4 fire alarm panels and install permanent power wiring

Disposal of up to 5,200 feet of Romex cable and install up to 6,000 feet of conduit and wiring for above Remount lights to new conduit system above

Removal of temporary wiring from 2 mini-power distribution panels for existing fire alarm equipment and abandon existing panel s in place

Permanent power for fire alarm equipment and lights from existing 208/120 volt distribution panels at north and south end of X-3002 along with modifications of fire alarm power circuits

Install permanent wiring for fire alarm circuits, including: pull boxes, water flow switches, sprinkler valve post-indicator switches, requiring installation of up to 2,600 feet of cable tray

Install conduit drops for pull boxes, water flow switches, sprinkler valve post-indicator switches

Install terminal box at each post-indicator valve drop

Install permanent wiring for existing PA system

Install up to 500 feet of conduit to support PA system cable

Permanently Install PA speakers

Install junction box to facilitate PA cable splicing

Install new cable from splice box to PA cabinet (in existing conduit)

- * Repair/replacement of spillway pipe at X-2230M Holding Pond.
- * Implementation of new requirements identified in the new Documented Safety Analysis (DSA) BJC 2003a and Technical Safety Requirements (TSR) BJC 2003b for the following Portsmouth Gaseous Diffusion Plant Category 2 facilities: X-345, X-705E, X-744G, and X-7726. These new requirements also impact four other Category 2 facilities (X-326 L-cage, X-326 DMSAs, X-7725, and X-7745R), which are maintained under the scope of the PORTS S&M of Waste Operations Facilities subproject (WBS 05.03.05.02). The following scope will be divided 50/50 between this subproject and WBS 05.03.05.02:
- 1) Development and revision of operating and maintenance procedures (7 new procedures, 6 major revisions, and 26 minor revisions)
- 2) Flow down Matrix impacts, including supporting implementation of processes for management and tracking requirements
- 3) Review and revision of procedures for USEC Fire Department, Emergency Management, and Plant Shift Superintendent (PSS) groups also includes PSS mode change tracking and appropriate BJC communications, and development and conduction of annual fire drill to verify Fire Department response capability
- 4) Nuclear Criticality Safety (NCS) assumption verification flowdown



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12. ELEMENT TASK DESCRIPTION (Continued)

- 8) BJC Validation performance and readiness activities associated with implementation verification that demonstrates readiness of the facility to implement DSA/TSR
- 9) Implementation Coordination & Support

The following scope will be performed 100% under this subproject:

1) Facility Modifications, Testing, and Implementation impacts, including: Cutoff and capping of USEC-controlled fluorine line (approximately 2 inches) in X-705E prior to entering X-705 area; drain diesel fuel tank in X-345 to minimum acceptable level; and engineering support and final walkdown of facility modifications

Deferred Maintenance Program

Implement the Facility Information Management System (FIMS) and Condition Assessment Survey (CAS) program (Deferred Maintenance) in accordance with DOE Order 430.1A " Life Cycle Assets Management". This includes the following:

Provide 15 CAS surveys for 15 PORTS site facilities

Perform FIMS data validation for all buildings being surveyed for CAS in FY 2002

Maintain CAS database (includes not less than monthly data backup and report execution when required)

Attend two LCAMS/CAS Network meetings/workshops at location to be determined by DOE-HQ (two persons executing PORTS CAS Program will attend)

Publish monthly status reports indicating surveyed facilities, FIMS activities, and addressing significant issues Maintain FIMS database

Collect and report annual required maintenance (RM), actual maintenance (AM), and deferred maintenance (DM) costs for each fiscal year

Ensure database field population status meets/exceeds requirements specified in the Secretary's Memorandum dated 08/29/01 (as provided in approved Quality Assurance Plan)

Participate in FIMS Advisory Committee activities

Attend two FIMS (or FIMS Advisory Committee) workshops or training sessions by FIMS Administrator for PORTS Publish monthly reports

Submit monthly and quarterly Energy Consumption reports to DOE

Participate in reconciliation of FIMS maintenance cost data with DOE Management And Reporting System (DOE-MARS) on monthly and quarterly basis.

Warehousing: X-744G

Provide project level planning, oversight, technical support, and financial control and reporting for all activities within this project. This includes, but is not limited to: Project Management, Subcontract Management, Procurement support, Environmental, Safety and Health oversight, Quality oversight, support for the Life Cycle Baseline, other out-year budget submittals, and the following routine reports.

Monthly Technical Progress Report



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12. ELEMENT TASK DESCRIPTION (Continued)

Quarterly Progress Report Project Baseline Summary Report Site Baseline Summary Report

Provide project direction and management of the task.

Performance of periodic inspections of building and material

Performance of two NMC&A semi-annual inventories

Performance of daily facility maintenance, such as light re-lamping, cluster changes, utilities, janitorial maintenance, preventive maintenance of doors, painting, floor coatings, and grass cutting/weed eating

Performance of weekly and monthly radiological surveys, including trash and boundary step-off surveys

Uranium Material Handling due to drum deterioration and batching & repackaging/overpacking containers as needed (assume 100 containers per year)

Warehousing: X-345

Provide project level planning, oversight, technical support, and financial control and reporting for all activities within this project. This includes, but is not limited to: Project Management, Subcontract Management, Procurement support, Environmental, Safety and Health oversight, Quality oversight, support for the Life Cycle Baseline, other out-year budget submittals, and the following routine reports.

Monthly Technical Progress Report Monthly Status Review Report Midyear Project Status Review Quarterly Project Status Review Year-end Project Status Review Quarterly Progress Report Project Baseline Summary Report Site Baseline Summary Report

Provide project direction and management of the task.

Performance of periodic inspections of building and material Performance of two NMC&A semi-annual inventories Performance of daily facility maintenance, such as light re-lamping, cluster changes, utilities, janitorial maintenance, preventive

Performance of daily facility maintenance, such as light re-lamping, cluster changes, utilities, janitorial maintenance, prevent maintenance of doors, painting, floor coatings, and grass cutting/weed eating

Performance of weekly and monthly radiological surveys, including trash and boundary step-off surveys

Uranium Material Handling due to drum deterioration and batching & repackaging/overpacking containers as needed (assume 100 containers per year)

Beryllium Characterization

Initiation of the PORTS Beryllium Surface Contamination Characterization Plan to identify surface contamination within locations within the DOE PORTS GDP (Gaseous Diffusion Plant) facilities that have detectable levels of beryllium metal at or above the Level of Concern. This includes:



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12. ELEMENT TASK DESCRIPTION (Continued)

REQUIREMENTS/DRIVERS

S&M of Active/Inactive Facilities

Bechtel Jacobs Company LLC Contract DE-AC05-98OR22700, December 18, 1997

Integrated Safety Management System Description, BJC/OR-87, Revision 2, September 1999

Integrated Safety Management System Description, BJC-GM-1400, Revision 2, October 2001 and Integrated Safety Management System Supplement, BJC-GM-1401, Revision 0, December 2000

Bechtel Jacobs Company Work Smart Standards

DOE Order 430.1 "Land and Facility Use Planning", Policy, July 1996, DOE 4701.1; DOE 472.1B; DOE 5632.1C and DOE 5632.1C-1 (manual); DOE 5633.3B; DOE 5480.21, 22, 23; OSHA; NFPA; Life Safety; PAAA; NCS; SAR; 10 CFR 1046 Applicable Executive Orders

DOE 10 CFR 830, "Nuclear Safety Management," Subpart B, "Safety Basis Requirements," January 2001

Deferred Maintenance Program

DOE Order 430.1A "Life Cycle Assets Management"

Statement of Federal Financial Accounting Standards (SFFAS) No. 6, Accounting for Property, Plant & Equipment (PPE)

Warehousing: X-744G & X-345

Bechtel Jacobs Company LLC Contract DE-AC05-98OR22700, December 18, 1997

Integrated Safety Management System Description, BJC/OR-87, Revision 2, September 1999

Integrated Safety Management System Description, BJC-GM-1400, Revision 2, October 2001 and Integrated Safety

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CERCLA: Y/N RCRA: Y/N DNFSB: Y/N DOE Orders: Y/N AEA: Y/N UMTRCA: Y/N State: Y/N Other: Y/N

WASTE VOLUMES

Please see attached waste performance metrics, as applicable.

PROJECT SCHEDULE

Please see attached project summary schedule, and Milestone Status Summary Report.

EXECUTION YEAR BASELINE

Please see attached Budgeted Cost of Work Scheduled Plan.

BASELINE BY YEAR

Please see attached Baseline by Year Report. The Baseline by Year Report should by Fiscal Year (for the project duration), sorted by Level-7 of the WBS.